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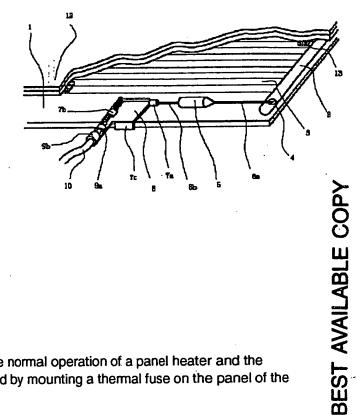
APPLICANT: CANON INC;

INVENTOR: TAJIMA HISAO;

INT.CL. G02F 1/133

TITLE

**ELECTRONIC EQUIPMENT** CONTAINING PANEL HEATER



ABSTRACT:

PURPOSE: To prevent the fusion in the normal operation of a panel heater and the non-fusion when the heater is energized by mounting a thermal fuse on the panel of the heater.

CONSTITUTION: A panel heater 1 patterned with an ITO film or SiO<sub>2</sub> is provided to a glass substrate as a heating element, and the pattern is eliminated at the part on which a thermal fuse 5 and a lug 8 are mounted. When the heater 1 runs away, the temp. is detected by the fuse 5 which is fused, and the supply of current to the heater 1 from a heater driving circuit is stopped. One lead 6a of the fuse 5 is connected to the electrode 2 of the heater 1, and the other lead 6b is fixed to the lug 8. Accordingly, when the temp. limit  $T_{\text{max}}$  of the heater 1 to prevent ignition and fuming is set at 250°C and  $T_{\text{min}}$  at 130°C, the current supply is surely stopped when the heater 1 runs away to 200°C by setting the fusion temp. of the fuse 5 at 135°C.

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